

Author index to volume 36 (1994)

(The issue number is given in front of the page numbers.)

Aguilar-Martin, J., Qualitative control, diagnostic and supervision of complex processes Anupam, V., C. Bajaj, F. Bernardini, S. Cutchin, J. Chen, D. Schikore, G. Xu, P. Zhang and W. Zhang, Scientific problem solving in a distributed and collaborative multime-	(2) 115–127
dia environment	(4-6) 433-542
Ashrafi, R.A., see Noor, M.A.	(1) 49- 55
Attili, B.S. and Y. Shehadeh, The use of block elimination for the calculation of some	
types of singularities efficiently	(3) 173 - 184
Bajaj, C., see Anupam, V.	(4-6) 433-542
Bartoli, J.A. and J.L. Le Moigne, Qualitative reasoning and complex symbol processing	(2) 129-136
Bernardini, F., see Anupam, V.	(4-6) 433-542
Boisvert, R.F., The architecture of an intelligent virtual mathematical software reposi-	, , , , , , , , , ,
tory system	(4-6) 269-279
Bunke, H., see Grimm, F.	(4-6) 303-313
Bursal, F.H. and B.H. Tongue, Interpolated mapping system identification as a numeri-	
cal algorithm	$(3)\ 209-220$
Cahill, E., Knowledge-based algorithm construction for real-world engineering PDEs	(4-6) 389-400
Carpraux, JF. and J. Erhel, SESAME: a knowledge-based system for eigenvalue	. , ,
problems	(4-6) 315-325
Catlin, A.C., see Hoffman, C.M.	(4-6) 479-491
Chen, J., see Anupam, V.	(4-6) 433-542
Chevenet, F., see Willamowski, J.	(4-6) 361-379
Cuminato, J.A., see Dantas, J.F.	(3) 247-259
Cutchin, S., see Anupam, V.	(4-6) 433-542
Cuyt, A., B. Verdonk and J. Verelst, Intelligent object-oriented scientific computation	(4-6) 401-411
Dantas, J.F., J.A. Cuminato, G.F. Leal Ferreira and M.T. Figueiredo, Solution of a	
non-trivial space charge problem by the hodographic method	(3) 247 - 259
Das, B., S. Steinberg, D. Zhang and T. Robey, Comparisons of numerical solution	.,
methods for differential equations with discontinuous coefficients	(1) 57- 75
Elnagar, G.N., see Razzaghi, M.	(3) 241 - 246
Erhel, J., see Carpraux, JF.	(4-6) 315-325
Figueiredo, M.T., see Dantas, J.F.	(3) 247-259
Forbus, K.D., Self-explanatory simulators: making computers partners in the modeling	.,
process	(2) 91-101
Froncioni, A.M. and R.L. Peskin, Qualitative flow descriptors for unstructured triangu-	,_,
lar grids	(4-6) 467-477

G	(4 8) 100
Gaitatzes, M., see Hoffman, C.M.	(4-6) 479-491
García-Olivares, A. and A. Muñoz, Fokker-Planck equations in the simulation of	(1)
complex systems	(1) 17- 48
Gentil, S., see Leyval, L.	(2) 149-163
Grimm, F., H. Bunke and J. Hählen, An approach to expert systems for image	
processing software libraries	$(4-6)\ 303-313$
Hählen, J., see Grimm, F.	(4-6) 303-313
Hawley, M.C., see Sundaram, A.	(4-6) 337–346
Hoffman, C.M., E.N. Houstis, J.R. Rice, A.C. Catlin, M. Gaitatzes, S. Weerawarana,	
NH.L. Wang, C.G. Takoudis and D.G. Taylor, SoftLab—A virtual laboratory for	
computational science	(4-6) 479–491
Houstis, E.N., see Hoffman, C.M.	(4-6) 479–491
Hurley, N., A case based reasoning approach to mesh specification for adaptive finite	
element analyis	(4-6) 381–388
Jean-Marie, F., see Willamowski, J.	$(4-6)\ 361-379$
Kaiser, K.L., see Kaiser, M.J.	(3) 221-240
Kaiser, M.J., K.L. Kaiser and W.L. Weeks, Electrohydrodynamic simulator investiga-	
tions	(3) 221-240
Koomullil, G.P., see Warsi, Z.U.A.	(3) 185-193
Labrie, R., C. Thilloy, P.A. Tanguy and G.H. Moll, An expert assistant to monitor finite	
element simulations	(4-6) 413-422
Lambe, L. and R. Luczak, Object-oriented mathematical programming and symbolic/	
numeric interface	(4-6) 493–503
Laug, P., DOMINO: a knowledge-based system for the users of a finite element library	(4-6) 293–301
Leal Ferreira, G.F., see Dantas, J.F.	(3) 247 - 259
Le Moigne, J.L., see Bartoli, J.A.	(2) 129-136
Leyval, L., J. Montmain and S. Gentil, Qualitative analysis for decision making in	
supervision of industrial continuous processes	(2) 149-163
Li, P. and R.L. Peskin, A new search method for domain decomposition for ODEs	(4-6) 457-466
Li, P. and R.L. Peskin, Domain decomposition for singular perturbation PDEs	(4-6) 443-455
Luczak, R., see Lambe, L.	(4-6)493-503
Mason, J.C., see Sastry, V.V.S.S.	(4-6) 281–292
McDowell, J.K., see Sundaram, A.	(4-6) 337–346
Mitsou, G.V., see Simos, T.E.	(3) 195-202
Moisan, S., see Shekhar, C.	(4-6) 347–359
Moll, G.H., see Labrie, R.	(4-6) 413-422
Montmain, J., see Leyval, L.	(2) 149-163
Muñoz, A., see García-Olivares, A.	(1) 17- 48
Noor, M.A. and R.A. Ashrafi, On a numerical method for solving obstacle problems	(1) 49- 55
Peskin, R.L., see Froncioni, A.M.	(4-6) 467-477
Peskin, R.L., see Li, P.	(4-6) 443-455
Peskin, R.L., see Li, P.	(4-6) 457-466
Razzaghi, M. and G.N. Elnagar, A pseudospectral collocation method for the brachis-	
tochrone problem	(3) 241-246
Rice, J.R., see Hoffman, C.M.	(4-6) 479-491
Robey, T., see Das, B.	(1) 57- 75
Sastry, V.V.S.S. and J.C. Mason, Knowledge based front-end to NAG library —	
KASTLE	(4-6) 281–292

Schikore, D., see Anupam, V.	(4 6) 422 542
Shehadeh, Y., see Attili, B.S.	(4-6) 433-542 (3) 173-184
Shekhar, C., S. Moisan and M. Thonnat, Towards an intelligent problem-solving	(3) 1/3-104
environment for signal processing	(4-6) 347-359
Simos, T.E. and G.V. Mitsou, An expert system for the numerical solution of the	(4-0) 341-339
one-dimensional Schrödinger equation	(3) 195-202
Singh, M.G., Decision technologies for supporting the interplay between qualitative and	(3) 173-202
quantitative aspects of managerial decision making	(2) 103-114
Souza de Cursi, J.E., Numerical methods for linear boundary value problems based on	(2) 103 114
Feyman-Kac representations	(1) 1- 16
Steinberg, S., see Das, B.	(1) 57- 75
Sundaram, A., J.K. McDowell and M.C. Hawley, Task structure: a vocabulary for	(1) 0, 10
integrating numerical methods and knowledge-based systems	(4-6) 337-346
Takoudis, C.G., see Hoffman, C.M.	(4-6) 479-491
Tanguy, P.A., see Labrie, R.	(4-6) 413-422
Taylor, D.G., see Hoffman, C.M.	(4-6) 479-491
Thilloy, C., see Labrie, R.	(4-6) 413-422
Thonnat, M., see Shekhar, C.	(4-6)347-359
Tongue, B.H., see Bursal, F.H.	$(3)\ 209-220$
van Zuylen, H.J., Knowledge based support of users of numerical programs	(4-6) 327 -336
Verdonk, B., see Cuyt, A.	(4-6) 401-411
Verelst, J., see Cuyt, A.	(4-6) 401-411
Villaseñor, R., A flame sheet calculation of a confined buoyancy laminar diffusion flame	(3) 203-208
Wang, NH.L., see Hoffman, C.M.	(4-6)479-491
Warsi, Z.U.A. and G.P. Koomullil, Spectral solutions of the Navier-Stokes equations in	
arbitrary two-dimensional domains	$(3)\ 185-193$
Weeks, W.L., see Kaiser, M.J.	(3) 221 - 240
Weerawarana, S., see Hoffman, C.M.	(4-6) 479–491
Wellman, M.P., Inference in cognitive maps	(2) 137-148
Willamowski, J., F. Chevenet and F. Jean-Marie, A development shell for cooperative	
problem-solving environments	$(4-6)\ 361-379$
Xu, G., see Anupam, V.	(4-6) 433–542
Zhang, D., see Das, B.	(1) 57- 75
Zhang, P., see Anupam, V.	(4-6) 433-542
Zhang, W., see Anupam, V.	(4-6) 433-542
Zhao, F., Intelligent computing about complex dynamical systems	(4-6) 423–432